

Message Text

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ACTION IO-13

INFO OCT-01 EUR-12 EA-07 ISO-00 ACDA-07 CIAE-00 INR-07

L-03 NSAE-00 NSC-05 EB-07 NRC-05 OES-06 FEAE-00 AF-08

ARA-06 NEA-10 PM-04 SP-02 SS-15 INT-05 COME-00 /123 W

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R 091138Z AUG 76

FM USMISSION GENEVA

TO SECSTATE WASHDC 1774

INFO AMEMBASSY BONN

AMEMBASSY LONDON

AMEMBASSY MOSCOW

AMEMBASSY THE HAGUE

AMEMBASSY ROME

AMEMBASSY STOCKHOLM

AMEMBASSY TOKYO

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ERDA HQ WASHDC

DOD WASHDC

ERDA GERMANTOWN MD

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DEFENSE FOR ARPA

1. SIXTH AND LAST MEETING OF FIRST SESSION OF SEISMIC EXPERTS GROUP WAS HELD MORNING OF AUG 6. PRINCIPAL BUSINESS WAS DISCUSSION AND ADOPTION OF PROGRESS REPORT TO CCD (PARA 9). DR. F. RINGDAHL (NORWAY) WAS ASKED AND AGREED TO BE SCIENTIFIC SECRETARY FOR THE GROUP AND THEREFORE WILL NOT SERVE AS NORWAY'S REPRESENTATIVE.

2. THE MAJOR EFFORT OF THE GROUP THIS WEEK WAS TO AGREE ON A PROVISIONAL TABLE OF CONTENTS OF THE FINAL REPORT. THE SWEDISH EXPERTS PROVIDED A DRAFT TABLE OF CONTENTS WHICH WAS DEBATED AND AMENDED. THE SWEDISH DRAFT CONTAINED A REFERENCE TO "PROCEDURES TO ESTIMATE YIELDS" IN THE THIRD

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CHAPTER. THIS WAS A POTENTIAL DIFFICULTY SINCE IT MIGHT

CAUSE THE RESULTS OF THE FINAL REPORT TO BE CAST IN TERMS OF YIELD RATHER THAN SEISMIC MAGNITUDE. AFTER SOME DEBATE IT WAS DECIDED THAT ANY REFERENCE TO YIELD SHOULD BE PLACED IN AN APPENDIX ENTITLED "PROBLEMS WITH THE ESTIMATION OF YIELDS FROM SEISMIC SIGNALS".

3. THE SECOND MAJOR DIFFICULTY WITH THE SWEDISH DRAFT TABLE OF CONTENTS WAS REFERENCE TO THE "IDENTIFICATION PROCEDURES" AND THE "IDENTIFICATION CAPABILITY" OF SINGLE STATIONS, NETWORKS OR SEISMIC SYSTEMS. THE US EXPERT ARGUED THAT AN ULTIMATE ASSESSMENT OF IDENTIFICATION PROCEDURES OR CAPABILITIES WAS A MATTER FOR INDIVIDUAL GOVERNMENTS SINCE A LEVEL OF PROOF IS ASSOCIATED WITH SUCH ASSESSMENTS. THIS ARGUMENT WAS GENERALLY ACCEPTED BY THE EXPERTS AND REFERENCES TO IDENTIFICATION IN THE PROVISIONAL TABLE OF CONTENTS ARE NOW TO OBTAINING, COLLATING, REDUCING, OR DISSEMINATING IDENTIFICATION PARAMETERS, BUT NOT TO THE JUDGMENTS INVOLVED IN IDENTIFICATION.

4. THE YIELD AND IDENTIFICATION ISSUES CAUSED THE MAJOR US DIFFICULTIES WITH THE SWEDISH DRAFT TABLE. OTHER LESS SUBSTANTIAL CHANGES WERE MADE AFTER DISCUSSION AND DEBATE.

5. THE GROUP AGREED TO MEET NEXT IN GENEVA DURING THE WEEK OF 11 OCT 1976. PRIOR TO THE OCT MEETING SEVERAL UNOFFICIAL WORKING PAPERS ON TOPICS GIVEN BY SUBCHAPTER TITLES WILL BE PREPARED THROUGH INFORMAL COOPERATION BETWEEN DESIGNATED EXPERTS. ONE EXPERT WILL ACT AS A CONVENER (OR MANAGING EDITOR) FOR EACH WORKING PAPER AND WILL ATTEMPT TO INCORPORATE INTO A SINGLE UNOFFICIAL WORKING PAPER THE VIEWS, CONCEPTS, AND DATA PROVIDED BY INDIVIDUAL EXPERTS. THESE PAPERS WILL BE CIRCULATED IN ADVANCE OF THE MEETING AT WHICH THEY ARE TO BE DISCUSSED. AN ATTEMPT WILL BE MADE AT EACH MEETING TO WORK OUT A DRAFT TEXT ON EACH TOPIC TO BE CIRCULATED TO THE EXPERTS BY THE SECRETARIAT. THE GROUP WILL SEEK TO ACHIEVE A CONSENSUS ON THESE DRAFTS; HOWEVER, IF THIS CANNOT BE ACHIEVED EACH EXPERT WILL BE ENTITLED TO INCORPORATE HIS OWN VIEW. A FINAL REPORT WILL BE PREPARED LIMITED OFFICIAL USE

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FOR THE CCD ON A FORMAL BASIS.

6. FOR THE OCT MEETING THE US EXPERT WILL ACT AS CONVENER FOR THE TOPIC ENTITLED "DATA AND PROCEDURES FOR OBTAINING IDENTIFICATION PARAMETERS OF SEISMIC EVENTS AT INDIVIDUAL STATIONS AND NETWORKS." (COMMENT: THIS TOPIC MAY BE CONTROVERSIAL; FIVE OTHER EXPERTS WILL CONTRIBUTE THEIR VIEWS TO THE CONVENER ON THIS SUBJECT). THE US

EXPERT HAS ALSO BEEN ASKED TO CONTRIBUTE DESCRIPTIVE DATA ON US SEISMOGRAPHIC STATIONS THAT THE US AGREES MAY BE CONSIDERED IN THE STUDY, AND CERTAIN US EARTHQUAKE DATA TRANSMISSION AND PROCESSING FACILITIES.

7. COMMENT: THE CHAIRMAN, ULF ERICSSON OF SWEDEN, HAS DISPATCHED HIS DUTIES WITH PATIENCE, EFFICIENCY, AND FAIRNESS, KEYING HIS JUDGMENT ON BOTH PROCEDURAL AND SUBSTANTIVE MATTERS TO THE CONSENSUS OF THE GROUP. THE GENERAL FEELING OF THE US EXPERT IS THAT THE GROUP CHAIRMAN AND THE OTHER EXPERTS WILL MAKE EVERY EFFORT TO KEEP THE US ON BOARD FOR THIS EFFORT. ALTHOUGH THE SWEDES HAVE ARGUED WITH THE US POSITION ON THE SUBSTANTIVE POINTS NOTED IN PARA 2, THEY HAVE BEEN ACCOMMODATING TO THE US POSITION ON MAJOR POINTS. THE OTHER EXPERTS SHOW AWARENESS OF THE SERIOUS NATURE OF THE MATTERS THE GROUP IS ADDRESSING.

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TO SECSTATE WASHDC 1775

INFO AMEMBASSY BONN

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DEFENSE FOR ARPA

8. THE UK EXPERT (THIRLAWAY) SEEMS TO BE PUSHING THE INTERNATIONAL SEISMOLOGICAL COMMISSION (SC) AT NEWBURY, ENGLAND, AS THE CENTER TO BE USED IF AN EXPERIMENTAL EXERCISE OF THE DESIGNATED SYSTEMS WERE TO BE CARRIED OUT. MANY EXPERTS, PARTICULARLY CANADA, FELT THEY COULD NOT COMMIT NATIONAL RESOURCES TO SUCH AN EXPERIMENT. THE USE EXPERT DID NOT RESIST THIRLAWAY'S PROMOTING THE ISC FACILITIES. END COMMENT.

9. AGREED FIRST PROGRESS REPORT TO CCD OF SEISMIC EXPERTS GROUP READS AS FOLLOWS:

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DRAFT OF THE FIRST PROGRESS REPORT TO THE CCD OF THE AD HOC GROUP OF SCIENTIFIC EXPERTS TO CONSIDER INTERNATIONAL COOPERATIVE MEASURES TO DETECT AND TO IDENTIFY SEISMIC EVENTS.

IN PURSUANCE OF THE DECISION OF THE CCD ON 22 JULY 1976 THE AD HOC GROUP OF SCIENTIFIC EXPERTS TO CONSIDER INTERNATIONAL CO-OPERATIVE MEASURES TO DETECT AND TO IDENTIFY SEISMIC EVENTS HELD ITS FIRST SESSION FROM 2-6 AUG 1976 IN GENEVA AND SUBMITS HEREBY ITS FIRST PROGRESS REPORT FOR CONSIDERATION BY THE CCD

1. SCIENTIFIC EXPERTS AND REPRESENTATIVES FROM THE FOLLOWING MEMBER STATES OF THE CCD PARTICIPATED IN THE FIRST SESSION: CANADA, EGYPT, FEDERAL REPUBLIC OF GERMANY, INDIA, ITALY, JAPAN, NETHERLANDS, ROMANIA, SWEDEN, UNITED KINGDOM AND THE UNITED STATES OF AMERICA.

2. IN ACCORDANCE WITH THE ABOVE DECISION AUSTRALIA, BELGIUM, DENMARK, FINLAND AND NORWAY HAD BEEN INVITED AND ARE PARTICIPATING IN THE WORK OF THE AD HOC GROUP THROUGH THEIR SCIENTIFIC EXPERTS AND REPRESENTATIVES.

3. AT THE FIRST MEETING DR. ULF ERICSSON OF SWEDEN WAS ELECTED TO SERVE AS CHAIRMAN OF THE AD HOC GROUP.

4. THE GROUP AGREED UPON, INTER ALIA, A PROVISIONAL TABLE OF CONTENTS OF ITS FINAL REPORT, THE MAIN HEADINGS OF WHICH READ AS FOLLOWS:

1. SUMMARY
2. INTRODUCTION
3. DATA AND PROCEDURES TO BE USED FOR DETECTION AND LOCATION OF SEISMIC EVENTS AND FOR OBTAINING IDENTIFICATION PARAMETERS.

4. SELECTION OF SEISMOGRAPHIC STATIONS FOR A GLOBAL NETWORK.
 5. DATA EXCHANGE BETWEEN SELECTED STATIONS AND DATA CENTRES.
 6. DATA CENTRES FOR DETECTION AND LOCATION OF SEISMIC EVENTS AND FOR REDUCTION OF IDENTIFICATION PARAMETERS.
 7. ESTIMATED COST TO ESTABLISH AND OPERATE THE SPECIFIED MONITORING SYSTEM.
 8. ESTIMATED CAPABILITY OF THE SPECIFIED MONITORING SYSTEM.
 9. PROPOSAL FOR EXPERIMENTAL EXERCISES.
- APPENDIX: PROBLEMS WITH THE ESTIMATION OF YIELDS FROM SEISMIC LIMITED OFFICIAL USE

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SIGNALS.

5. WITH A VIEW TO COMPLETING ITS WORK NO LATER THAN JANUARY 1978 THE GROUP ADOPTED A FLEXIBLE TIME SCHEDULE AND DECIDED TO HOLD ITS NEXT TWO SESSIONS IN OCT 1976 AND MARCH 1977.

6. THE AD HOC GROUP AGREED UPON A DRAFT AGENDA FOR THE NEXT SESSION AND DESIGNATED GROUPS OF EXPERTS FROM AMONG ITS MEMBERS TO PREPARE WORKING PAPERS FOR THE NEXT SESSION.

7. THE AD HOC GROUP NOTED THAT THE EFFICIENCY OF ITS WORK IN THE ASSESSMENT OF PRESENT AND PLANNED SEISMOGRAPHIC INSTALLATIONS AND DATA HANDLING FACILITIES WOULD BE GREATLY INCREASED IF THE CO-OPERATION OF CCD MEMBER STATES AND OTHER STATES REPRESENTED IN THE AD HOC GROUP COULD BE ENSURED.

8. THE AD HOC GROUP CONSIDERED IT NECESSARY TO OBTAIN BEFORE ITS SESSION IN OCTOBER A QUALIFIED SCIENTIFIC SECRETARY TO ENSURE ADEQUATE EDITING AND HANDLING OF ITS WORKING PAPERS AND DRAFTS. DR. FRODE F. RINGDAHL WAS ASKED AND AGREED TO UNDERTAKE THIS TASK.

9. THE AD HOC GROUP DECIDED TO HOLD ITS NEXT SESSION FROM 11-15 OCT 1976 AT THE PALAIS DES NATIONS, GENEVA.
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